



National Aeronautics and  
Space Administration

Glenn Research Center

# Construction Safety Briefing Lewis Field



**NASA Glenn Research Center  
Lewis Field**  
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Cleveland, OH 44135  
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- This presentation will outline:
  - General information about Glenn
  - Rules and regulations that must be followed
  - Emergency information
  - Key points of contact



## Construction Safety Briefing Badging

- The Security Management Office is responsible for security clearances, vehicle and personnel inspections, traffic control and vehicle accident investigations. Officers issue visitor badges, as well as vehicle and property passes.
- When you arrive, go to the security office and sign in. Show the officer your driver's license and fill out the visitors' sign-in sheet.
- You will receive an I.D. badge and, in some cases, a copy of the safety/emergency reference pamphlet.
- Your I.D. badge must be visible at all times.



## Construction Safety Briefing Responsibilities

All personnel at GRC, including contractors and subs are required to:

- manage their operations in a manner that will eliminate or minimize potential hazards and prevent accidents, injuries to people, environmental releases, property damage and loss of research operating time
- follow all safety, health, and environmental rules and regulations. Site-specific requirements are found in the Glenn Safety Manual, Occupational Health Programs Manual, and the Environmental Programs Manual.



## The Glenn Safety and Health Division (SHeD):

- Provides assistance and consultation.
- Reviews Site Specific Health and Safety Plans
- Reviews any necessary permits
- Follows up on safety violations and incidents
- Conducts random safety inspections





- The Glenn Safety Branch conducts frequent and random inspections of construction sites. Violations are documented and corrective measures need to be taken immediately. The safety branch has stop-work authority and may shut down a job under any of the following conditions:
  - If imminent danger exists at the work site.
  - If there is any deviation from the Site Specific Health and Safety Plan.
  - If there are repeat violations by employees or subcontractors of any health, safety and environmental rules and regulations.



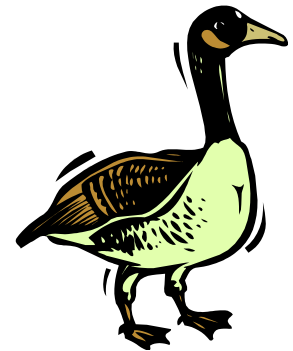
- Speed limits at Glenn Research Center Lewis Field (GRC) are as follows:
  - 25 mph unless otherwise posted
  - Gate entrance and exit speed is 15 mph
  - 10 mph in parking lots and parking areas
- There shall be no use of cell-phones or other hand-held devices while driving a vehicle on a GRC site.







- Due to the high wildlife population at GRC Lewis Field, operators of motor vehicles shall reduce their speeds whenever deer, geese, etc. are seen in close proximity to the roadways and use extreme caution when driving during the hours of darkness, inclement weather, or when hazardous conditions exist.



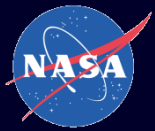




## Construction Safety Briefing HASPs

- It is the contractor's responsibility to ensure that anyone under their supervision follows the Site Specific Health and Safety Plan (HASP) and complies with all health, safety and environmental rules and regulations, including proper PPE to be worn.
- It shall be reviewed by all personnel before starting work. If changes are needed, submit an addendum to your Contracting Officer's Representative (COR) before starting anything involving that change.





Some potential hazards at Glenn include, but is not limited to the following:

Fall hazards

Electric shock

Mercury

Cryogenics

High pressure systems

Toxins

Noise

Confined space

Lead

Asbestos

Hot work

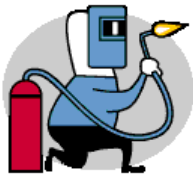
Flammables

Compressed gases



# Construction Safety Briefing Permits

Contact the Construction Team in SHeD to receive a safety-related permit or work plan approval. These include:



- Hot Work
- confined space entry
- use of lasers
- fall prevention plans
- use of radioactive sources or devices

Other special activities require multi-level approval and are to be coordinated through the NASA Project Team. These include:

- Access to or modification of high-voltage substations, manholes, or equipment
- mobile crane or similar equipment
- excavations



## Construction Safety Briefing Competent Person

- Some activities at Glenn (found in the handbook) require a designated “competent person” according to OSHA standards. Ensure that one is designated in writing in the site documents submitted and present when required. Make sure that this information is available upon request from a NASA representative.
- They are required to:
  - Ensure compliance with the HASP
  - Supervise specific tasks according to OSHA standards.
  - Recognize any hazards associated with the tasks in which they are considered to be “competent”.
  - Ensure the safety of employees who are under their supervision.
  - And make any necessary modifications to ensure site safety.






## Construction Safety Briefing Barricades

- It is the sole responsibility of all contractors to ensure construction sites are properly barricaded and appropriate signage is visibly displayed for the duration of the project.
- Construction signs shall contain the company name, subcontractor name, and contractor emergency contact information.
- Prior to erecting barricades The NASA C-136 shall be submitted to the NASA Project Team for approvals with a barricade plan attached
  - It shall include the locations and a map illustrating details including when, how, and where barricades will be erected.





## Construction Safety Briefing Barricades

- The use of orange cones and caution tape is NOT considered to be an adequate means of barricading unless determined acceptable for the specific purpose by NASA SHeD.
- In certain situations where the use of previously identified controls is not feasible, a safety watch may be approved by NASA SHeD.
- NASA standardized color code system for barricades, signs and warning lights are as follows:
  -  Red (or red and white) means DANGER-KEEP OUT
  -  Yellow means CAUTION (follow instructions on posted signs)
  -  White represents all other meanings/instructions (traffic awareness)
- For personal safety, all barricades shall not be crossed. If there is a need to access an area which is barricaded permission shall be obtained by the area supervisor prior to entry.



## Construction Safety Briefing

### Other Rules

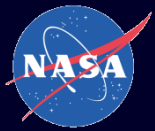
- Glenn, like all other federal buildings and work sites, is designated as a non-smoking facility. Smoking is prohibited in government-owned buildings, vehicles and near chemical tanks or storage containers.
- Do not park in red or yellow curb areas, Handicap parking spaces, Loading docks, or near fire hydrants. Vehicles parked in these areas will be ticketed and towed.
- Use the “buddy” system when working on any electrical or mechanical equipment. Before you start work, always de-energize the system, and make sure that it is properly locked out and tagged out using the GRC LOTO tags and red-bodied locks in coordination with the NASA Project Team.





- Lunch is served in building 15 from 11am-2pm
  - Catering and food trucks available
  - Menus and schedule available on the café website or on the café bulletin board
- Also in building 15:
  - Credit Union
  - Exchange Store





In the event of an emergency, explosion, illness or injury:

- Dial 911 from any internal GRC phone
- Dial 216-433-8888 for Lewis Field from a cellular phone

Report any accidents, injuries, near misses and unsafe conditions to your COR or your site superintendent.



If you have any questions please:

- Ask your COR
- Refer to the Glenn Safety Manual,  
Occupational Health Programs Manual or the  
Environmental Program Manual located on the  
Construction safety webpage.



## Construction Safety Briefing

### Construction Safety and Health Guidebook

- For more rules, requirements and more specific information on emergency procedures, please see the Construction Safety and Health Guidebook.
- This along with forms and additional information can be found on the GRC Construction Safety Website at:

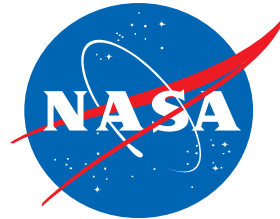
<https://smad-ext.grc.nasa.gov/shed/pub/ConstructionSafety/>



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\_\_\_\_\_ and will comply with all policies, procedures,  
Date

and regulations as required.

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Print name of company/organization

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Print name of supervisor

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Supervisor's signature